

Pacific Northwest Region
P.O.-Box 3623, Portland, Oregon 97208

3430 Evaluation

October 31, 1979

Annual Progress Report: Effect of Precommercial
Thinning in Armillaria-infected Douglas-fir Plantations
On the White River RD, Mt. Baker-Snoqualmie NF
Forest Supervisor, Mt. Baker-Snoqualmie NF

In August 1978, eight 1/4 acre plots were established on the
White River Ranger District, Mt. Baker-Snoqualmie National
Forest to monitor the effects of precommercial thinning in
10- to 20-year old Douglas-fir plantations infected by
Armillaria root rot. The eight plots are located in two units.
(T. 18 N., R. 10 E., sec. 18).

One year following installation, three of 406 (0.7%) crop trees in
thinned plots were killed (2 by Armillaria, 1 by *Fomes annosus*).
In plots left unthinned, four of 416 (1.0%) crop trees were killed,
all caused by Armillaria. It is premature to draw any conclusions
at this point, and only after several years will the data be of
value. In the interim, annual progress reports will be submitted
by FIDM.

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